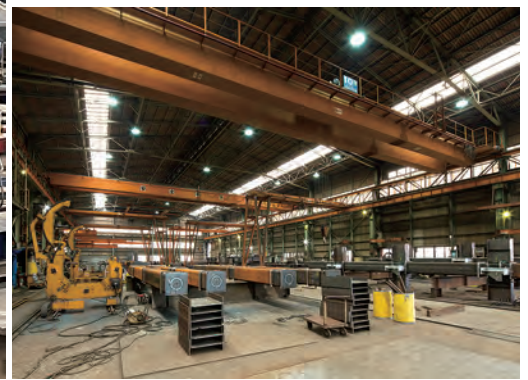


Noborio Tekkou Co., Ltd.



An extensive, proven track record with large structures as a leading Shikoku-based steel frame manufacturer and fabricator: Potential for building machine-housing structures for use in offshore wind power generation projects

Category Wind Turbine Manufacturing > Steel Frame Manufacturing & Assembly



Manufacturing architectural steel frames with increased added value, offering high earthquake resistance and rust resistance

Since its establishment in 1962, Noborio Tekkou has engaged in fabricating steel frames for large structures. The company's core business is the production and on-site assembly of structural steel frames (steel H-beams). Known as a leading Shikoku-based steel frame manufacturer and fabricator, the company's accomplishments include becoming the first company in Ehime Prefecture to receive H-grade certification from the Minister of Land, Infrastructure, Transport and Tourism (MLIT) for its production facilities. Noborio Tekkou has a proven track record involving a diverse range of large-scale buildings and structures inside and outside the prefecture, including Matsuyama Airport, Botchan Stadium, high-rise condominiums, government buildings, hospitals, and commercial facilities. With the expertise and fabrication capabilities it has developed over many years,

the company continues to respond to the demands of major general contractors. In conjunction with the Japanese government's nationwide promotion of national resilience in the wake of the Great East Japan Earthquake of 2011, the company has actively pursued earthquake-resistant construction and taken on projects involving seismic isolation structures, which entail demands for advanced technologies, as well. It boasts an annual production capacity of 10,000 t of structural steel frames, placing it in the top class of producers in the prefecture. With its good access to a public wharf, Noborio Tekkou also offers support for marine transport of its large steel frames. Drawing on its experience of manufacturing steel frames for coastal logistics warehouses and shipyard buildings, the company has potential for building machine-housing structures for offshore wind power generation projects' pier operations.

• Production sizes: For steel H-beams, 1-m beam back and 12-m length, with maximum weights of 20 t per piece • Production capacity: 800 t/month

Adoption Record

Hospitals and government buildings with steel-framed reinforced concrete (SRC) constructions



Noborio Tekkou has supplied steel frames for hospitals built with SRC constructions, a hybrid method of construction featuring the combined use of steel frames and reinforced concrete. This high-performance construction method offers the seismic resistance of steel frames with the fire resistance of reinforced concrete. Few steel frame manufacturers and fabricators offer support for SRC construction, which has helped gain the solid trust of major general contractors for the company.

Structural steel frames for shipyards' machine-housing buildings, offering enhanced rust resistance



Noborio Tekkou's technologies have also been utilized in Ehime Prefecture's world-class shipbuilding industry. Leveraging its finely honed construction techniques, the company has created large spaces realized with strong, solid frameworks and facilitating enhanced work efficiency. The company also offers support for the hot-dip galvanizing method to prevent rusting. Additionally, it is equipped with a triple-axis drill machine and other equipment enabling it to perform hole-punching and other steel frame processing techniques.

Main Equipment and Machinery

- NC Auto Drill Machine (H-shaped Steel Hole Drilling Machine): 2 units
- Large Assembly Welding Robot: 2 units
- Shot Blasting Machine: 2 units
- Band Saw for Steel Cutting: Maximum cutting width 1000mm, other specifications / 4 units
- Beam Worker: 1 unit
- Plasma Cutting Machine: 1 unit
- Overhead Cranes: 10t (5 units), 5t (1 unit), 2.8t (11 units)

Company Information

Business: Steel frame construction and processing/assembly of various steel structures
 Location: 6-3-21 Takihama, Niihama, Ehime Prefecture, 792-0893
 Established: 1962 Capital: 20 million yen Employees: 40 (as of November 2024)
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